

CLAIMS

1. Method for the initialisation of mobile data carriers (IM) with assigned decentralised read and write stations (WR) and/or of decentralised read and write stations (WR) within the framework of an authorisation system (A),
5 characterised in that by an authorisation with authorisation means (AM) at an authorisation authority (HA) in a secure environment (g) initialisation data (DI, A-I, I-I) are generated and transmitted through a network (N) in a secure communication and with security rules corresponding to the authorisation system to a decentralised authorised read and write station (A-WR) and
10 wherein the mobile data carriers (IM) are correspondingly initialised (IMj) with the initialisation data (DI) at the read and write station (A-WR) and/or that the initialisation data (DI) are transmitted through the network (N) to a decentralised read and write station (WR), by means of which the read and write station is initialised (WRk).
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2. Method in accordance with claim 1, characterised in that the authorisation authority (HA) is formed by a host computer (H) or by a remote authorisation read and write station (R-A-WR).
- 20 3. Method according to claim 1 or 2, characterised in that the authorisation means (AM) are formed by special authorisation identification media (AM-IM) or by authorisation data (AM-I).
- 25 4. Method in accordance with one of the preceding claims, characterised in that a (non-authorised) decentralised read and write station (WR) is first of all transformed into an authorised read and write station (A-WR) by means of function authorisation data (A-I-FA) contained in the initialisation data (DI),

which subsequently is capable of initialising mobile data carriers (IM) in correspondence with the initialisation data.

5. Method according to one of the preceding claims, characterised in that within the framework of the authorisation system (A) several authorisation authorities (HAI) with the same and/or with differing authorisation levels (OLi) are provided.
6. Method in accordance with one of the preceding claims, characterised in that several authorisation means (AMi) with the same and/or with differing authorisation levels (OLi) are provided.
7. Method according to one of the preceding claims, characterised in that initialisation data (DI, A-I, I-I) are transmitted to the authorised read and write stations (A-WR), resp., to the decentralised read and write stations (WR) through more than one network level (N1, N2) and/or through more than one authorisation authority (HA1, HA2).
8. Method in accordance with one of the preceding claims, characterised in that the initialisation data (DI) are transmitted through a secure private network (Np).
9. Method according to one of the preceding claims, characterised in the initialisation data are transmitted through an open public network (No) with an encryption and security gates on both sides (G1, G2).
10. Method in accordance with one of the preceding claims, characterised in that with the initialisation data (DI2.2) application extensions (App2.2) are initialised.

11. Method according to one of the preceding claims, characterised in that with the initialisation data (DI3) new independent applications (App3) are initialised.
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12. Method in accordance with one of the preceding claims, characterised in that in a blank mobile data carrier prepared with a system data field (CDF) applications (App) are newly initialised with the initialisation data (DI).
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13. Method according to one of the preceding claims, characterised in that through the network (N) a permanent connection between the authorisation authority (HA) and the decentralised read and write station (A-WR, WR) is in existence.
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14. Method in accordance with one of the preceding claims, characterised in that the connection between the authorisation authority (HA) and the decentralised read and write stations (A-WR, WR) through the network (N) is only in existence occasionally and that when it is an exchange of data takes place.
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15. Method according to one of the preceding claims, characterised in that for the initialisation a user authorisation (aw) is effected by the read and write station (A-WR, WR), resp., by its owner (12) and/or that an identification authorisation means (ID-AM) is necessary.
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16. Method in accordance with one of the preceding claims, characterised in that for an initialisation a user authorisation (ai) through the data carrier, resp., the owner (13) of the data carrier takes place.

17. Method according to one of the preceding claims, characterised in that for the authorisation of initialisations through the network (N), as well as for the execution of applications at the read and write station (A-WR, WR), resp., at the data carrier (IM) personal data (aw) of the owner of the read and write station, resp., personal data (ai) of the owner of the data carrier, such as a PIN code or biometric data, are made use of as authorisation means.
18. Method in accordance with one of the preceding claims, characterised in that the mobile data carriers (IM) comprise an applications micro-processor (AppuP) for the processing of applications program data (I-I-Cod).
19. Method according to one of the preceding claims, characterised in that the data carriers (IM) are designed as contact-less, active or passive identification media.
20. Method in accordance with one of the preceding claims, characterised in that the mobile data carriers (IM), the authorisation identification media (AM-IM) and the identification authorisation media (ID-AM) are formed by the same mobile data carriers.
21. Method according to one of the preceding claims, characterised in that status information (S-I) concerning events at the authorised, resp., at the decentralised read and write stations (A-WR, WR) and/or at the mobile data carriers (IM) is annunciated to a corresponding authorisation authority (HA) through the network (N).
22. Method in accordance with claim 21, characterised in that the status information (S-I) is utilized for usage or licence fee debiting.

23. Method according to one of the preceding claims, characterised in that every new initialisation of a data carrier (IM) for the purpose of debiting a usage or licence fee is annunciated to the authorisation authority (HA) through the network (N).
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24. Method in accordance with one of the preceding claims, characterised in that every usage of an application at a read and write station (WR) for the purpose of debiting a usage or licence fee is annunciated to the authorisation authority (HA) through the network (N).
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25. Method according to one of the preceding claims, characterised in that a multi-level initialisation of the data carriers (IM) through networks (N) is provided, which is effected in hierarchically graduated steps within the framework of the authorisation system (A).
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26. Mobile data carrier (IM_j) with an application (App) initialised in accordance with claim 1 through authorisation through a network (N).
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27. Read and write station (WR_k) with an application initialised (k) according to the method of claim 1 by authorisation through a network (N).
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28. Installation for the initialisation of mobile data carriers (IM) with assigned decentralised read and write stations (WR) and/or of decentralised read and write stations (WR) within the framework of an authorisation system (A), characterised in that initialisation data (DI, A-I, I-I) are generated by authorisation means (AM) at an authorisation authority (HA) in a secure environment (g) and are transmitted through a network (N) in a secure communication and with security rules in correspondence with the authorisation system to a decentralised authorised read and write station (A-

WR)

and that the mobile data carriers (IM) at the read and write station (A-WR) are correspondingly initialised (IM_j) with the initialisation data (DI) and/or that the initialisation data (DI) are transmitted to a decentralised read and write station (WR) through the network (N), by means of which the read and write station (WR) is initialised (WR_k).